

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P846301

Luminaire Tested: **GLAN-SB1D-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9157 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

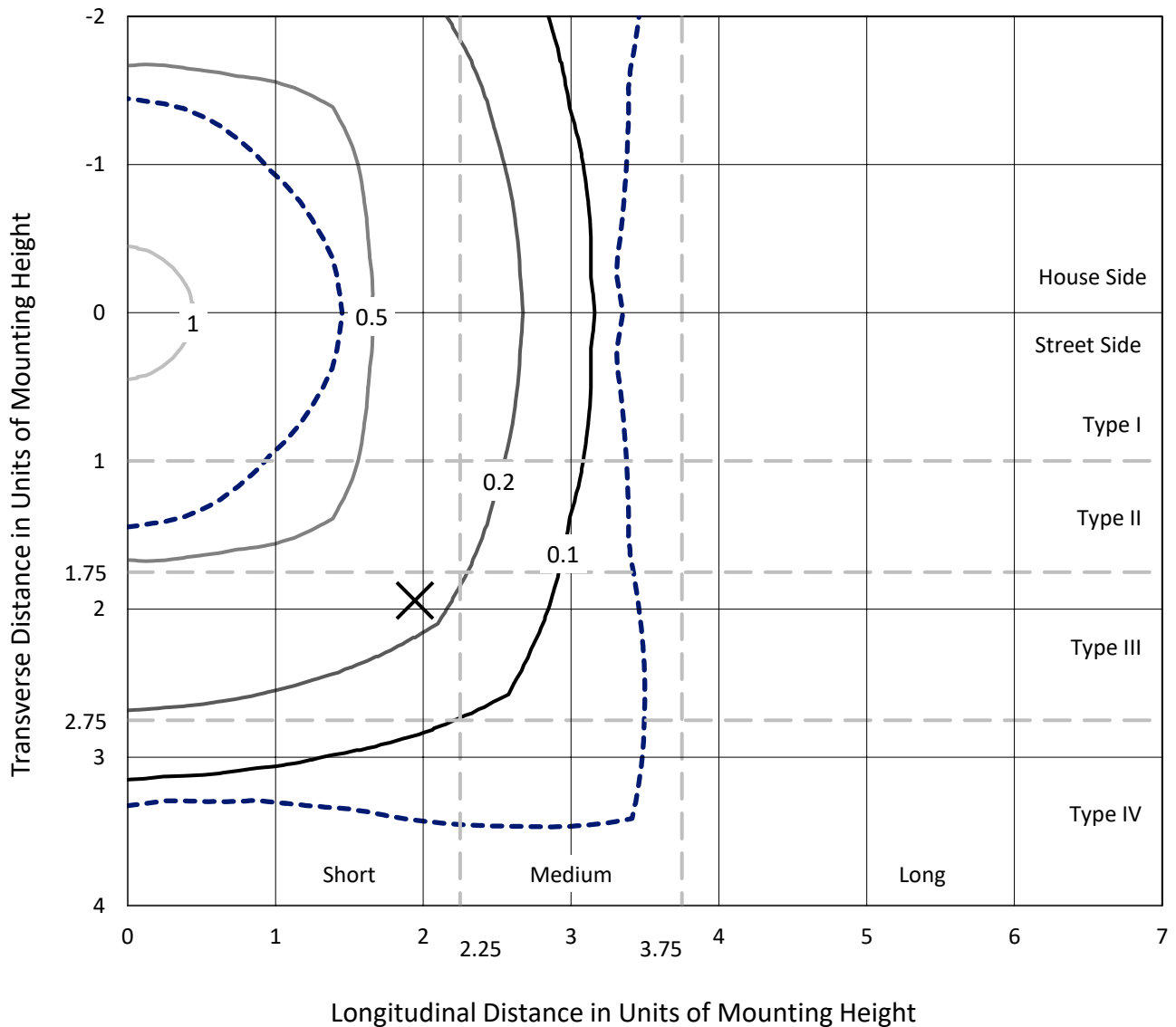
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

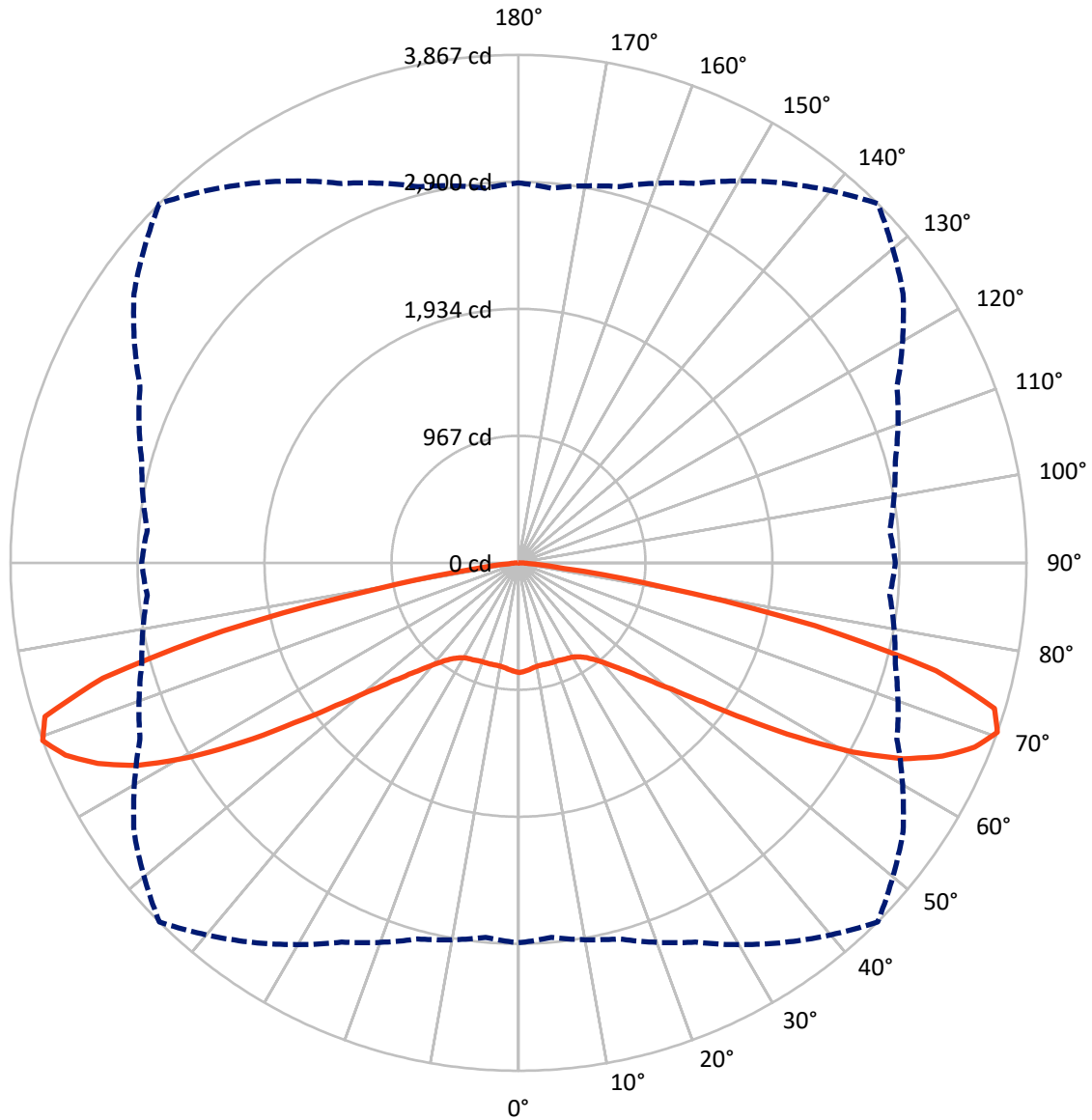
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4578.5	0.0	4578.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4578.5	0.0	4578.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9157.0	0.0	9157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	0.8
10°-20°	228.2	2.5
20°-30°	379.7	4.1
30°-40°	574.2	6.3
40°-50°	954.2	10.4
50°-60°	1800.5	19.7
60°-70°	3040.2	33.2
70°-80°	1997.7	21.8
80°-90°	104.7	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9157.0	100.0
0°-180°	9157.0	100.0

Coefficient of Utilization



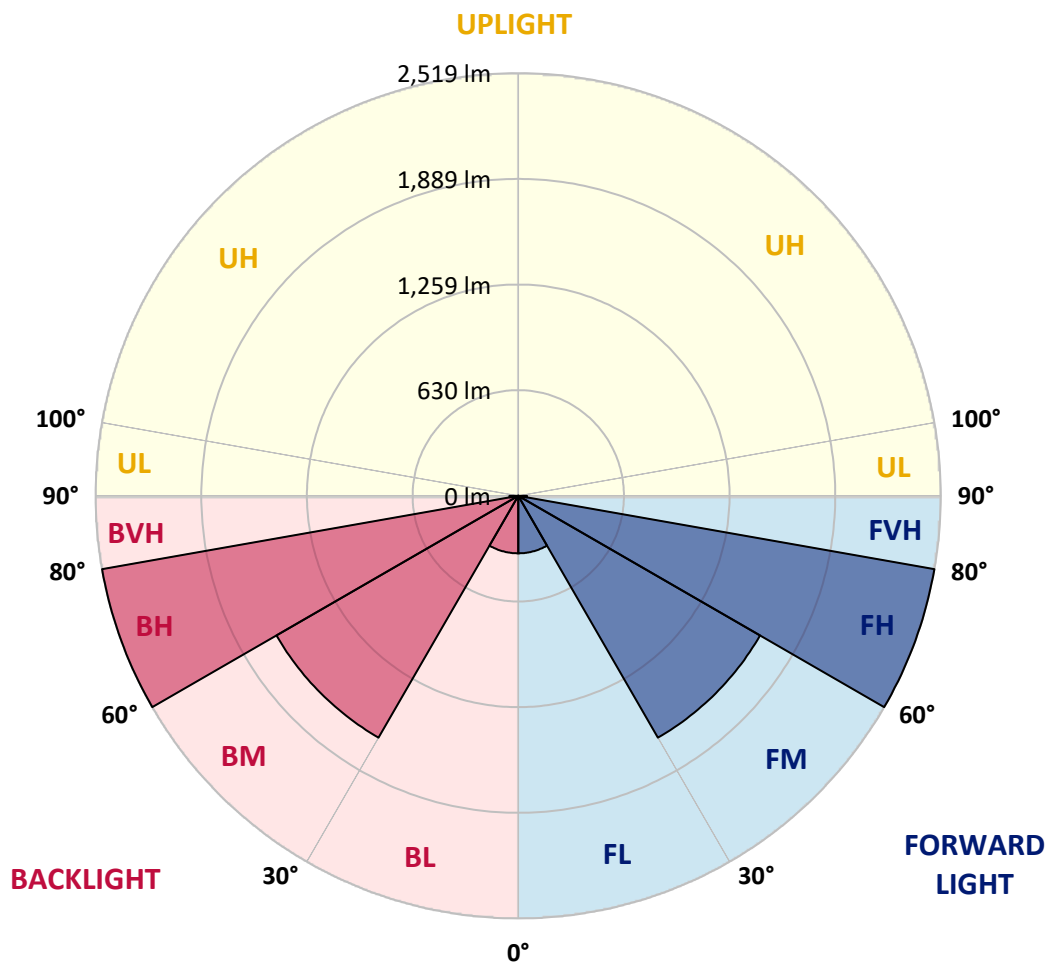
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.8	3.7			
FM (30°-60°)	1664.4	18.2			
FH (60°-80°)	2519.0	27.5			G2/5000
FVH (80°-90°)	52.3	0.6			G1/100
BL (0°-30°)	342.8	3.7	B1/500		
BM (30°-60°)	1664.4	18.2	B2/2500		
BH (60°-80°)	2519.0	27.5	B4/5000		G2/5000
BVH (80°-90°)	52.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3
2.5°	830.1	832.4	831.5	829.6	829.6	828.2	829.6	830.5	832.0	832.9
5°	819.1	821.0	820.5	819.1	819.6	818.2	819.1	820.5	821.5	822.0
7.5°	809.6	811.5	810.6	808.2	808.2	806.7	807.2	808.6	810.1	810.6
10°	807.2	809.1	806.3	802.5	801.0	799.1	799.6	801.0	803.9	805.3
12.5°	808.2	809.6	806.7	801.0	799.6	797.7	797.7	799.1	802.9	804.8
15°	811.0	812.5	808.2	802.0	800.6	799.1	798.7	800.6	804.8	808.2
17.5°	816.3	817.7	811.0	802.5	800.6	801.0	800.6	802.0	808.6	814.8
20°	821.0	822.0	812.9	802.5	800.6	801.0	800.6	803.4	812.0	820.5
22.5°	822.5	823.4	814.8	805.8	804.4	804.8	804.4	807.2	815.3	823.9
25°	822.9	824.4	817.7	810.6	812.9	813.9	812.9	813.4	819.6	827.2
27.5°	830.1	832.0	825.8	819.6	821.0	820.5	822.0	823.4	828.2	835.8
30°	844.8	846.2	841.0	834.8	833.9	830.5	834.8	839.6	844.8	851.5
32.5°	869.1	872.0	865.3	858.6	854.3	852.4	855.8	863.9	871.0	878.1
35°	909.6	911.5	905.3	892.9	885.3	885.3	888.1	898.6	910.0	919.1
37.5°	966.7	969.0	958.1	943.3	931.9	931.9	935.7	946.7	963.8	976.7
40°	1036.2	1039.5	1025.7	1010.5	999.5	997.6	1002.4	1014.7	1030.9	1047.1
42.5°	1119.9	1123.7	1105.6	1092.3	1083.8	1083.8	1086.1	1097.6	1112.3	1132.3
45°	1227.0	1233.7	1208.9	1195.6	1187.5	1189.4	1190.8	1200.8	1214.2	1237.0
47.5°	1354.6	1361.2	1335.1	1321.3	1319.8	1328.9	1323.2	1330.3	1337.4	1363.6
50°	1499.3	1510.7	1492.6	1491.6	1494.5	1511.2	1497.8	1501.6	1493.5	1510.2
52.5°	1676.3	1693.0	1689.6	1695.4	1727.2	1761.5	1731.1	1717.7	1687.3	1692.5
55°	1891.0	1916.2	1921.0	1955.2	2027.6	2097.5	2032.8	1979.0	1914.3	1902.4
57.5°	2135.1	2155.1	2178.0	2247.9	2383.1	2507.3	2383.1	2264.1	2162.3	2138.0
60°	2397.9	2422.6	2444.5	2547.8	2748.6	2923.3	2744.8	2555.9	2421.2	2388.3
62.5°	2680.1	2712.0	2727.2	2841.9	3076.1	3284.6	3079.4	2850.5	2701.1	2665.8
65°	2950.9	2977.1	2994.2	3116.6	3340.3	3549.2	3355.5	3129.9	2976.2	2930.0
67.5°	3077.1	3091.3	3133.2	3271.7	3507.8	3746.2	3547.8	3286.5	3114.7	3033.7
70°	2892.4	2863.4	2964.3	3186.0	3527.8	3867.1	3573.5	3179.4	2969.0	2837.6
72.5°	2235.1	2185.1	2360.3	2739.6	3299.3	3790.0	3322.2	2761.0	2469.3	2202.7
75°	1216.1	1159.4	1401.2	1881.0	2631.1	3285.0	2691.5	1934.8	1560.2	1207.0
77.5°	343.2	321.7	516.9	910.0	1582.6	2306.5	1643.5	930.0	613.0	363.6
80°	105.2	101.9	138.0	274.2	672.0	1104.7	645.9	277.5	175.6	110.9
82.5°	62.4	57.1	68.5	100.0	171.3	347.0	166.6	104.2	83.8	56.2
85°	35.7	33.3	40.5	48.5	57.6	73.8	48.1	49.5	44.7	30.0
87.5°	14.8	13.3	15.7	15.2	13.3	17.1	12.9	15.2	18.1	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
835.3
832.4
822.0
810.6
805.3
805.3
808.6
814.8
821.0
823.9
826.7
833.9
850.1
875.3
915.7
971.9
1041.9
1130.9
1236.1
1356.0
1500.2
1674.9
1883.8
2120.9
2359.8
2637.3
2907.1
3034.7
2869.1
2268.9
1285.6
404.1
117.1
60.9
31.4
10.9
0.0

OF REPORT)